

CLAIMS

1. An acoustic equipment comprising:

a columnar magnetostrictor which has one end where a stopper is disposed to define the one end as a fixed end and which has an other end defined as a free end to allow the columnar magnetostrictor to expand and contract along an axial direction;

a magnetic field generator for generating a magnetic field to expand and contract the columnar magnetostrictor by a drive current based on an acoustic signal; and

a vibration transmitter disposed on the other end side of the columnar magnetostrictor and arranged to transmit vibration caused by expansion and contraction of the columnar magnetostrictor, to a vibrator, wherein an elastic member is disposed between the stopper and the vibration transmitter in a direction of the vibration.

2. The acoustic equipment according to Claim 1, wherein the elastic member is disposed in a state in which the elastic member can come into contact with at least one end face of the columnar magnetostrictor.

3. The acoustic equipment according to Claim 1, comprising a magnet for generating a bias magnetic field,

wherein the magnet is disposed in a state in which one end face of the magnet can come into contact with one end face of the columnar magnetostrictor, and

wherein the elastic member is disposed in a state in which the elastic member can come into contact with another end face of the magnet.